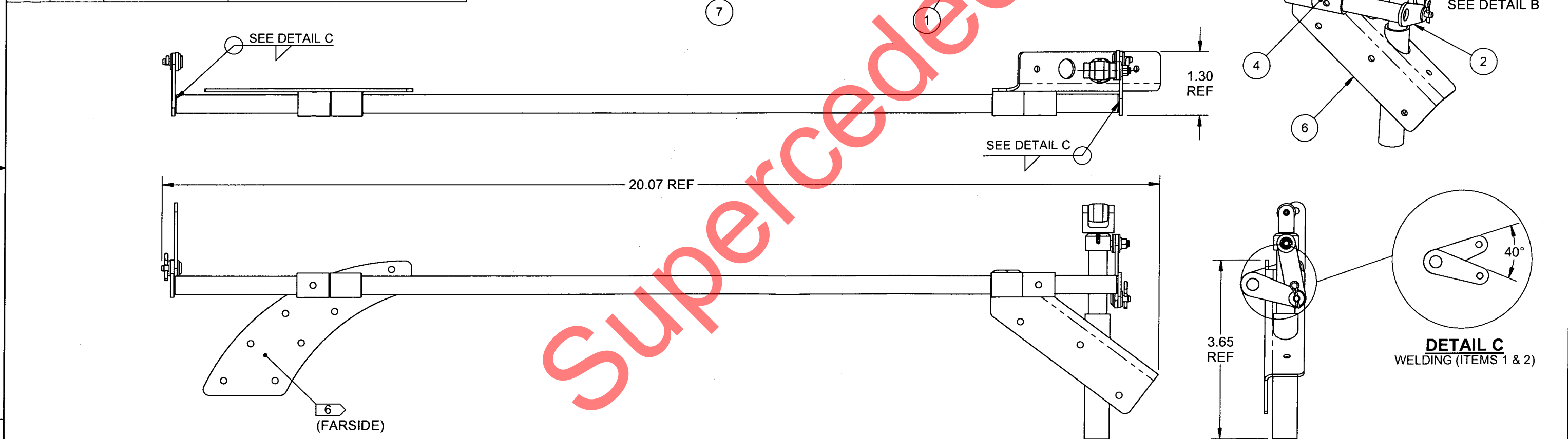


ITEM	QTY -041	P/N	DESCRIPTION
	X	D4576-041	HORIZONTAL LINKAGE ASSY (LH)
1	1	D3589-1	ARM
2	2	D3589-13	LUG
3	1	D4530-041	LATCH ROLLER
4	2	D4576-3	STOP COLLAR
5	2	D4576-11	LINK
6	1	D4576-043	FORWARD PLATE WELDMENT (LH)
7	1	D4576-045	AFT PLATE WELDMENT (LH)
8	1	D4576-047	ROLLER SHAFT WELDMENT
9	4	AN960JD4	WASHER, #4
10	3	AN960JD6	WASHER, #6
11	1	MS16562-193	SPRING PIN
12	2	MS20392-1C7	PIN
13	1	MS21043-06	HEX NUT, SELF LOCKING, #6
14	2	MS24665-1010	COTTER PIN

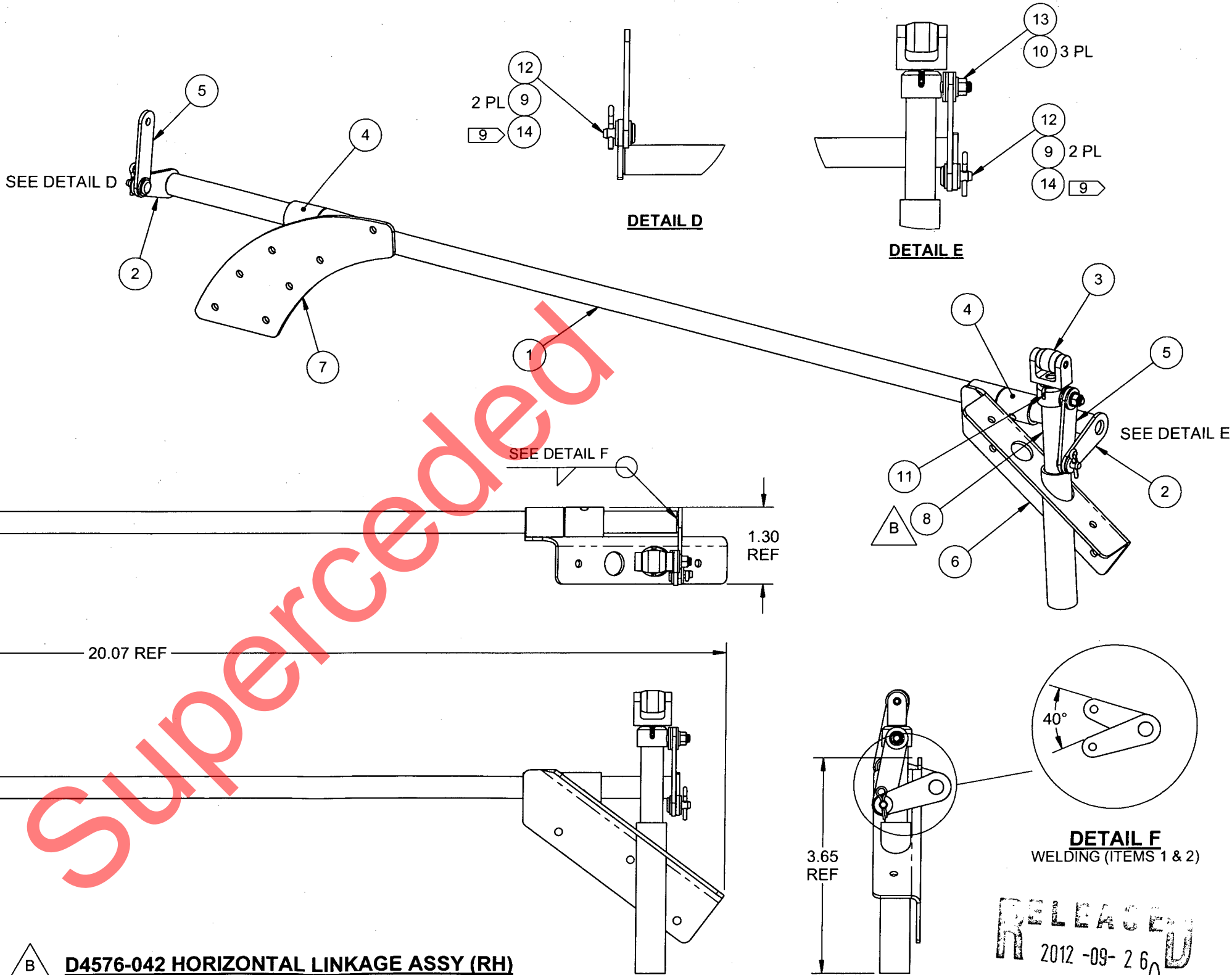


**D4576-041 HORIZONTAL LINKAGE ASSY (LH)**

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: PER DART QSI 044 6.1
  - 7) WEIGHT: 0.9 lbs
  - 8) WELDING: PER DART QSI 004
  - 9) INSTALL COTTER PIN IN ACCORDANCE WITH MS33540

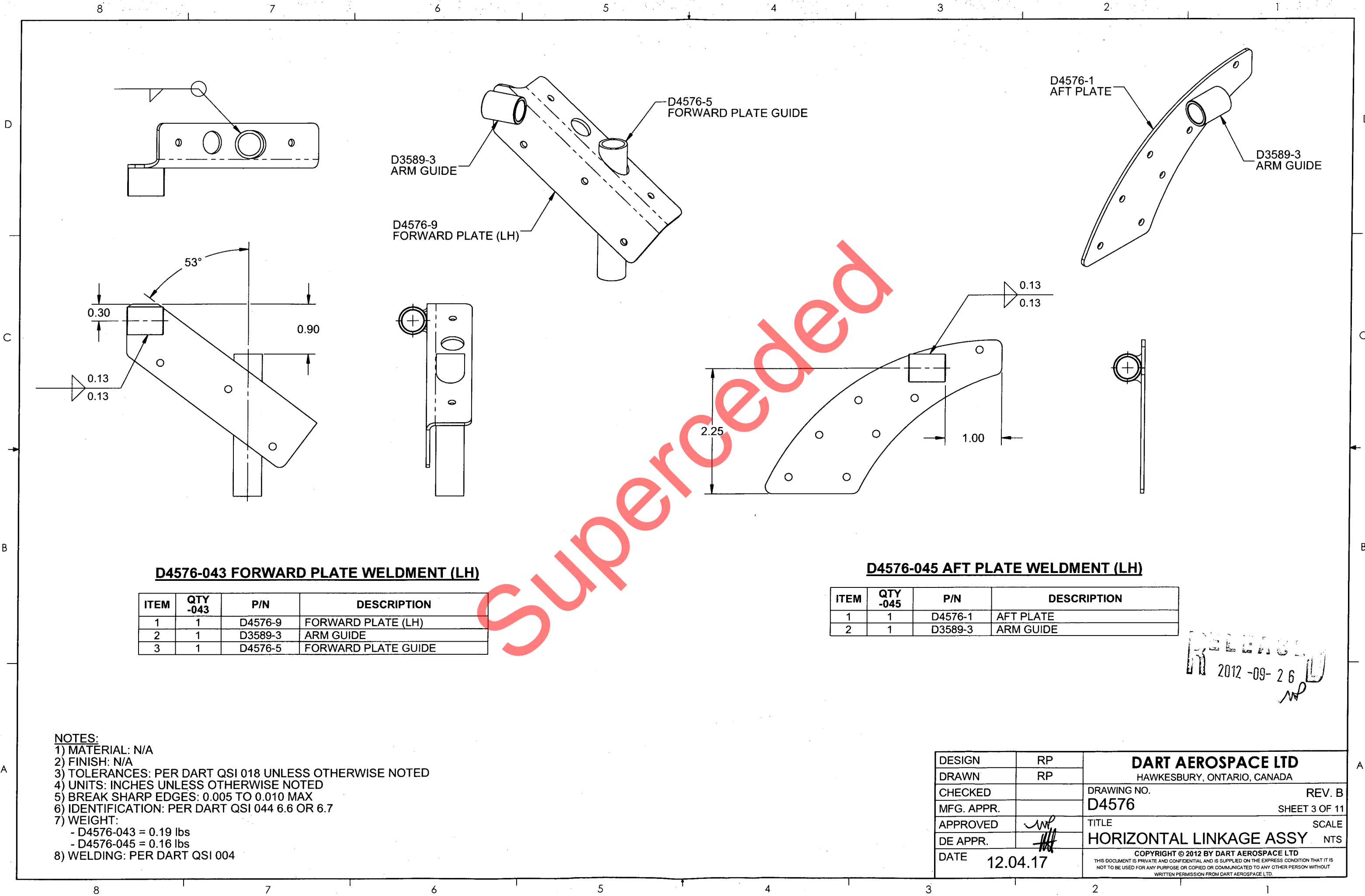
B	ADDED (RH) VERSION D4576-042; ADDED D4576-047 WELDMENT; D4576-11 CHANGES	RP	12.04.17
A	NEW ISSUE	RP	12.02.24
REV.	DESCRIPTION	BY	DATE
DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D4576	SHEET 1 OF 11
APPROVED		TITLE	SCALE
DE APPR.		HORIZONTAL LINKAGE ASSY	NTS
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ITEM	QTY -042	P/N	DESCRIPTION
	X	D4576-042	HORIZONTAL LINKAGE ASSY (RH)
1	1	D3589-1	ARM
2	2	D3589-13	LUG
3	1	D4530-041	LATCH ROLLER
4	2	D4576-3	STOP COLLAR
5	2	D4576-11	LINK
6	1	D4576-044	FORWARD PLATE WELDMENT (RH)
7	1	D4576-046	AFT PLATE WELDMENT (RH)
8	1	D4576-047	ROLLER SHAFT WELDMENT
9	4	AN960JD4	WASHER, #4
10	3	AN960JD6	WASHER, #6
11	1	MS16562-193	SPRING PIN
12	2	MS20392-1C7	PIN
13	1	MS21043-06	HEX NUT, SELF LOCKING, #6
14	2	MS24665-1010	COTTER PIN



NOTES:  
1) MATERIAL: N/A  
2) FINISH: N/A  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: PER DART QSI 044 6.1  
7) WEIGHT: 0.9 lbs  
8) WELDING: PER DART QSI 004  
9) INSTALL COTTER PIN IN ACCORDANCE WITH MS33540

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		<b>D4576</b>	SHEET 2 OF 11
APPROVED		TITLE	SCALE
DE APPR.		<b>HORIZONTAL LINKAGE ASSY</b>	NTS
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D4576-043 FORWARD PLATE WELDMENT (LH)

ITEM	QTY -043	P/N	DESCRIPTION
1	1	D4576-9	FORWARD PLATE (LH)
2	1	D3589-3	ARM GUIDE
3	1	D4576-5	FORWARD PLATE GUIDE

D4576-045 AFT PLATE WELDMENT (LH)

ITEM	QTY -045	P/N	DESCRIPTION
1	1	D4576-1	AFT PLATE
2	1	D3589-3	ARM GUIDE

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT:
  - D4576-043 = 0.19 lbs
  - D4576-045 = 0.16 lbs
- 8) WELDING: PER DART QSI 004

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		<b>D4576</b>	SHEET 3 OF 11
APPROVED		TITLE	SCALE
DE APPR.		<b>HORIZONTAL LINKAGE ASSY</b>	NTS
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D4576-2  
FORWARD PLATE (RH)

D3589-3  
ARM GUIDE

D4576-5  
FORWARD PLATE GUIDE

D3589-3  
ARM GUIDE

D4576-1  
AFT PLATE

#### D4576-044 FORWARD PLATE WELDMENT (RH)

ITEM	QTY -044	P/N	DESCRIPTION
1	1	D4576-2	FORWARD PLATE (RH)
2	1	D3589-3	ARM GUIDE
3	1	D4576-5	FORWARD PLATE GUIDE

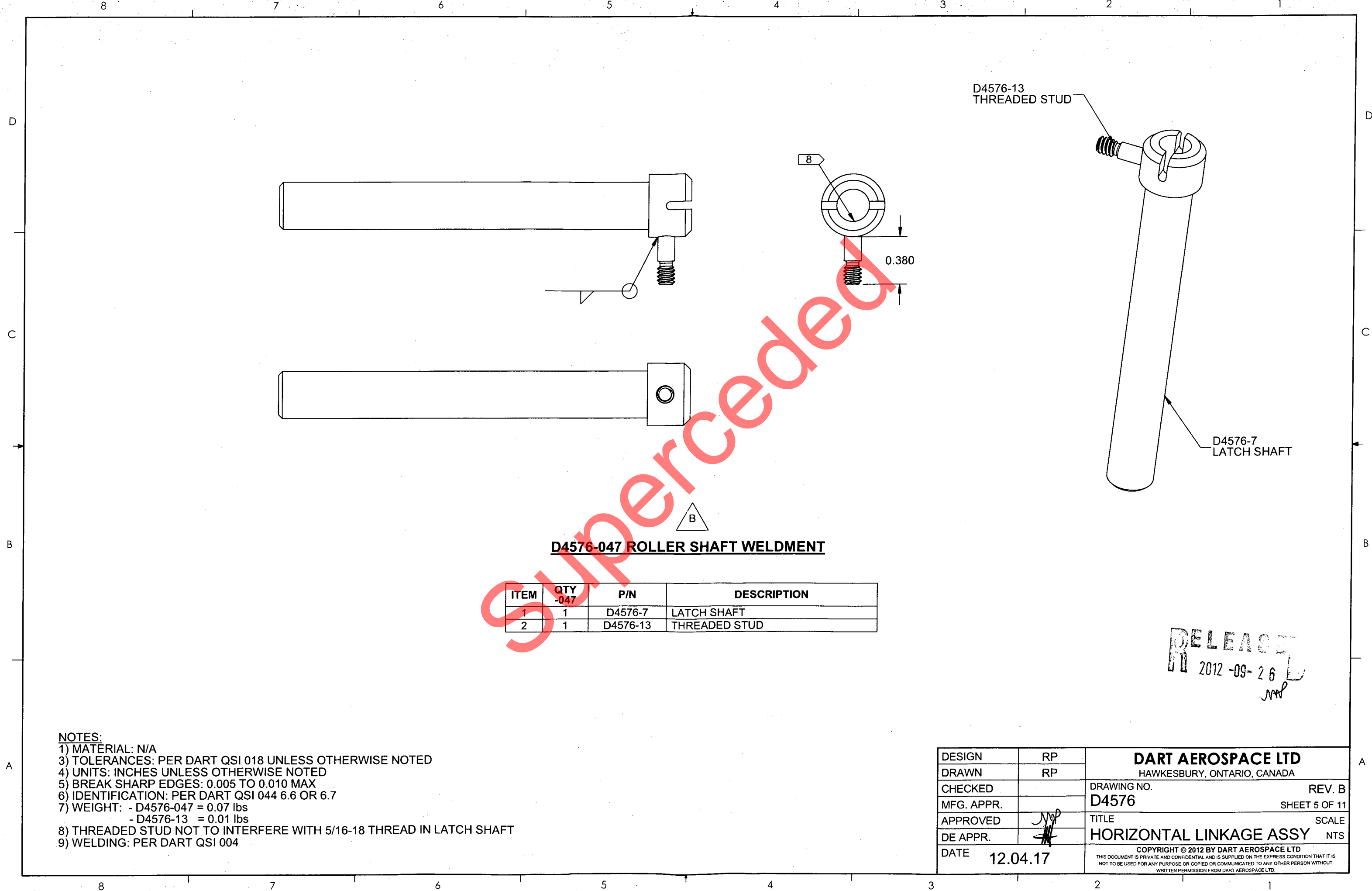
#### D4576-046 AFT PLATE WELDMENT (RH)

ITEM	QTY -046	P/N	DESCRIPTION
1	1	D4576-1	AFT PLATE
2	1	D3589-3	ARM GUIDE

#### NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT:
  - D4576-044 = 0.19 lbs
  - D4576-046 = 0.16 lbs
- 8) WELDING: PER DART QSI 004

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		<b>D4576</b>	SHEET 4 OF 11
APPROVED	JMP	TITLE	SCALE
DE APPR.	MP	<b>HORIZONTAL LINKAGE ASSY</b>	NTS
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**D4576-047 ROLLER SHAFT WELDMENT**

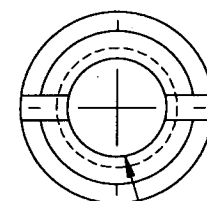
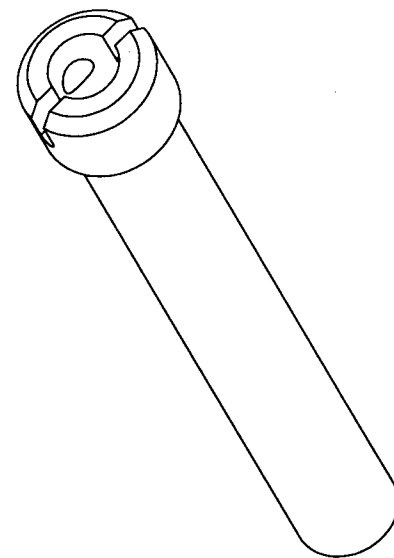
ITEM	QTY -047	P/N	DESCRIPTION
1	1	D4576-7	LATCH SHAFT
2	1	D4576-13	THREADED STUD

- NOTES:  
1) MATERIAL: N/A  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7  
7) WEIGHT: - D4576-047 = 0.07 lbs  
              - D4576-13 = 0.01 lbs  
8) THREADED STUD NOT TO INTERFERE WITH 5/16-18 THREAD IN LATCH SHAFT  
9) WELDING: PER DART QSI 004

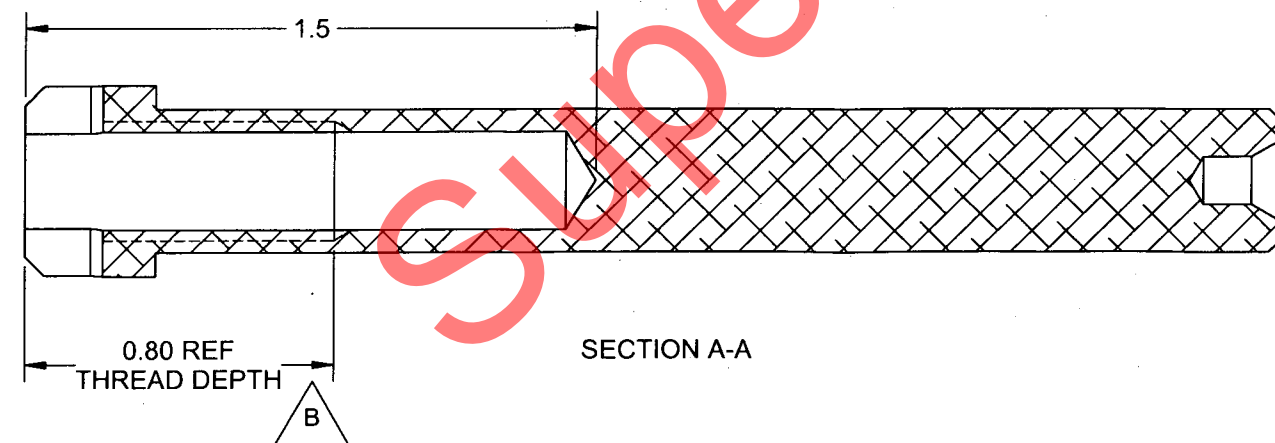
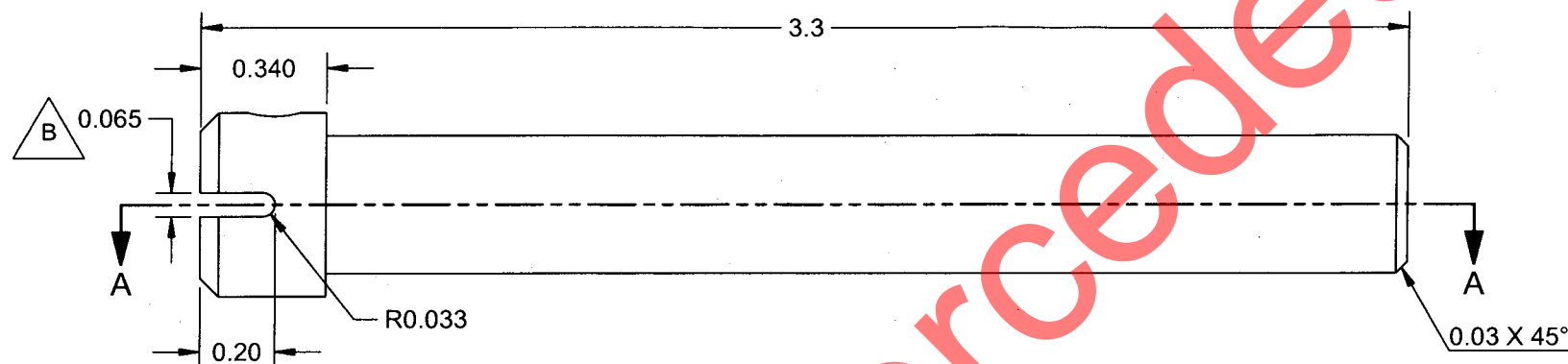
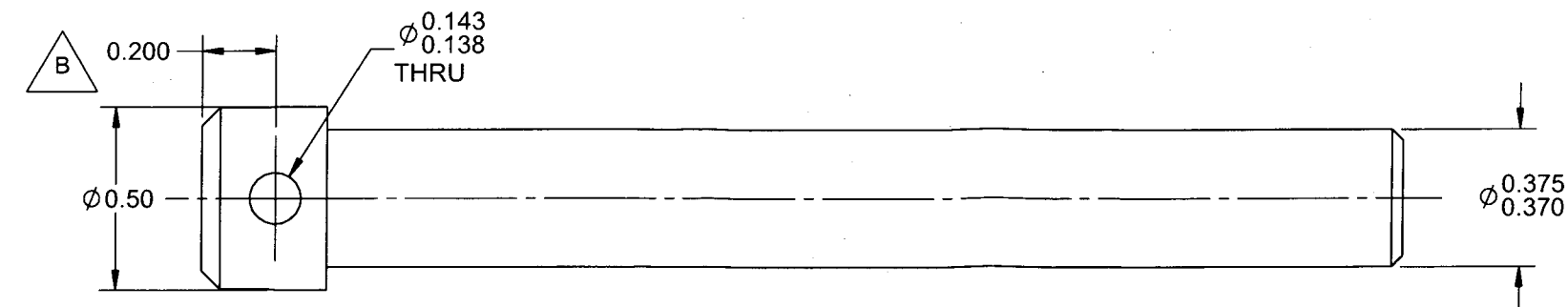
DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		<b>D4576</b>	SHEET 5 OF 11
APPROVED	JWP	TITLE	SCALE
DE APPR.		<b>HORIZONTAL LINKAGE ASSY</b>	NTS
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RELEASE  
2012-09-26  
JWP



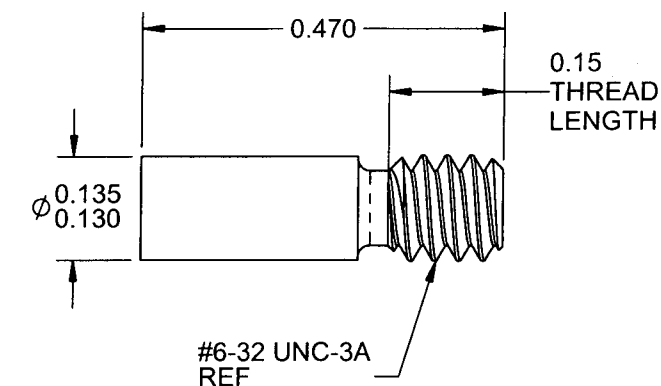


5/16-18 UNC-2B  
0.80 DP



SECTION A-A

ACCEPTABLE TO  
CENTER DRILL  
MAX #3





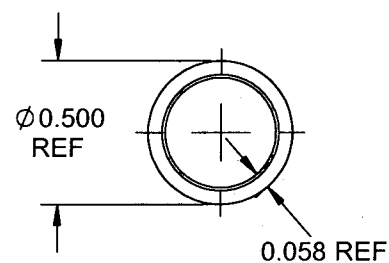
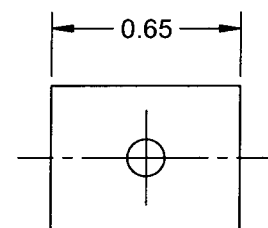
8 D4576-13 THREADED STUD

NOTES:

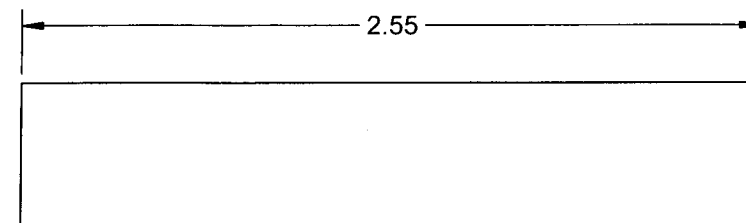
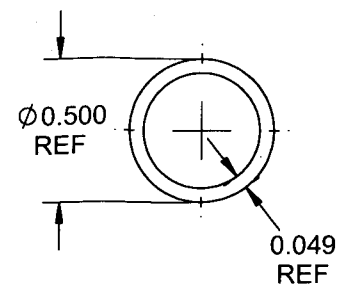
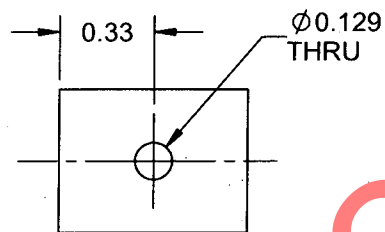
- 1) MATERIAL: AISI 304/316 SS ROUND BAR PER ASTM A276  
REF DART SPEC M304R
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: 0.07 lbs
- 8) MAY BE FABRICATED FROM MCMASTER P/N 97345A458

D4576-7 LATCH SHAFT

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D4576	SHEET 6 OF 11
APPROVED		TITLE	SCALE
DE APPR.		HORIZONTAL LINKAGE ASSY	NTS
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**D4576-3 STOP COLLAR**



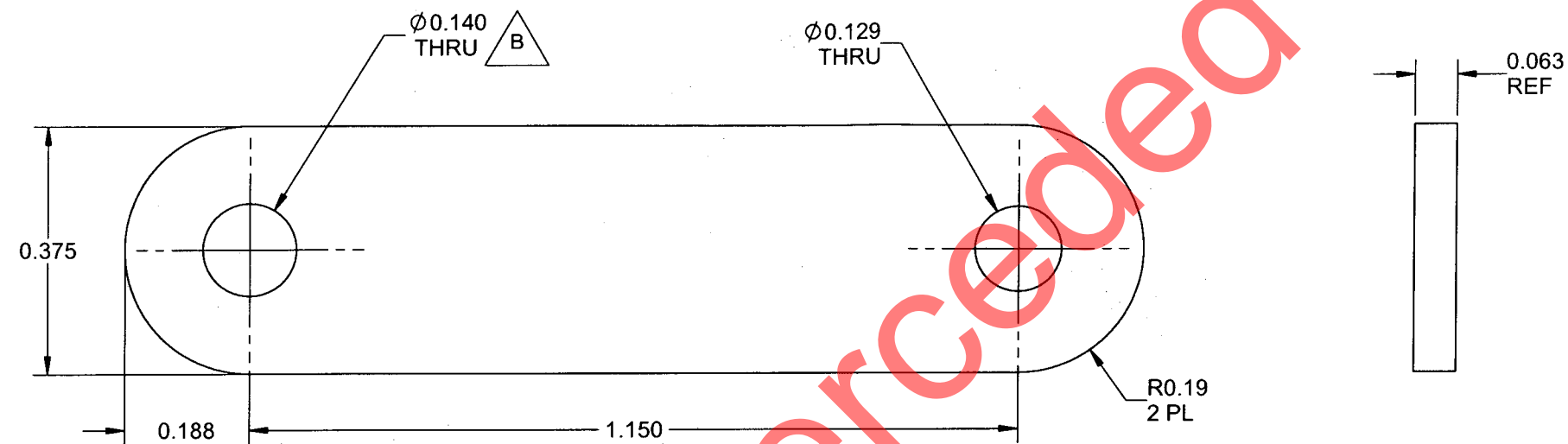
**D4576-5 FORWARD PLATE GUIDE**

**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SEAMLESS ROUND TUBING  
D4576-3: 0.500 O.D. X 0.058 WALL  
REF. DART SPEC M304TR0.500W.058  
D4576-5: 0.500 O.D. X 0.049 WALL  
REF. DART SPEC M304TR0.500W.049
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: - D4576-3 = 0.01 lbs ea.  
- D4576-5 = 0.06 lbs

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2012-09-26

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO. <b>D4576</b>	REV. B
MFG. APPR.			SHEET 7 OF 11
APPROVED	<i>[Signature]</i>	TITLE <b>HORIZONTAL LINKAGE ASSY</b>	SCALE NTS
DE APPR.	<i>[Signature]</i>	<small>COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	
DATE	12.04.17		



**D4576-11 LINK**

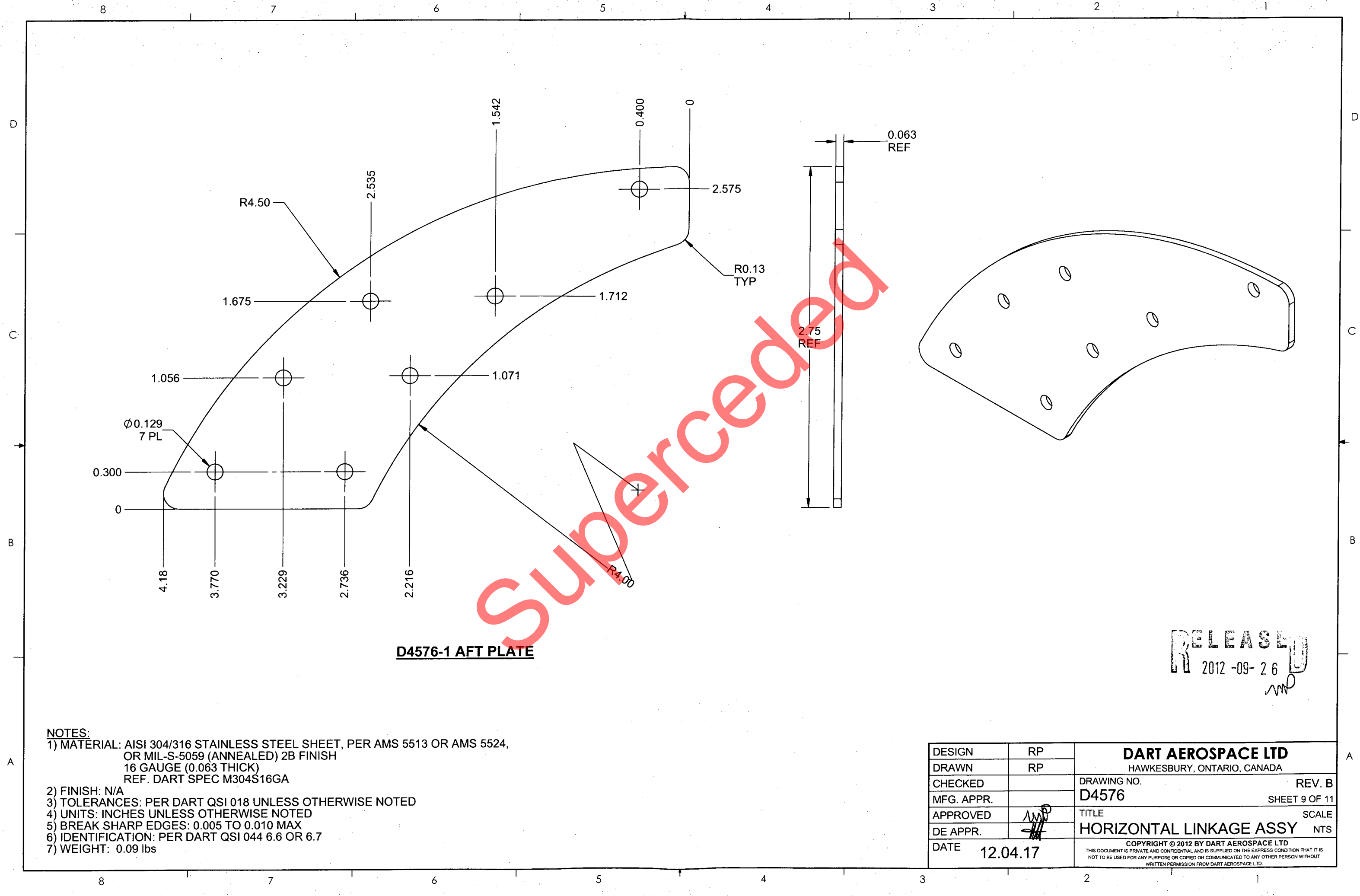
**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, PER AMS 5513 OR AMS 5524, OR MIL-S-5059 (ANNEALED) 2B FINISH  
16 GAUGE (0.063 THICK) (REF. DART SPEC M304S16GA)
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: 0.009 lbs EACH

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2012-09-26

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		<b>D4576</b>	SHEET 8 OF 11
APPROVED	<i>WMP</i>	TITLE	SCALE
DE APPR.	<i>CH</i>	<b>HORIZONTAL LINKAGE ASSY</b>	NTS
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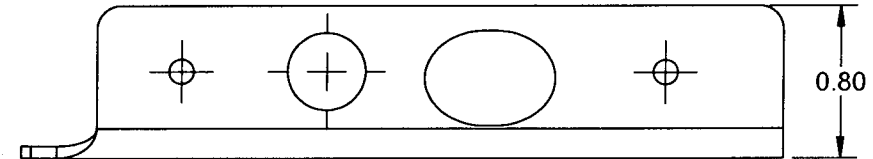
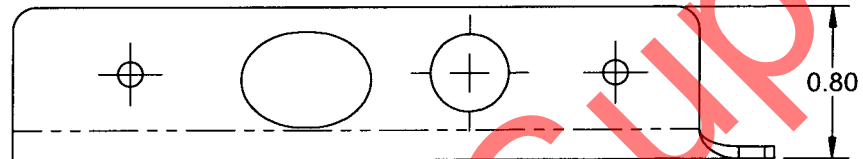
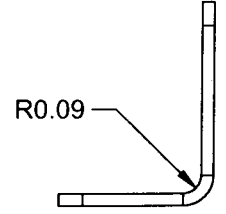
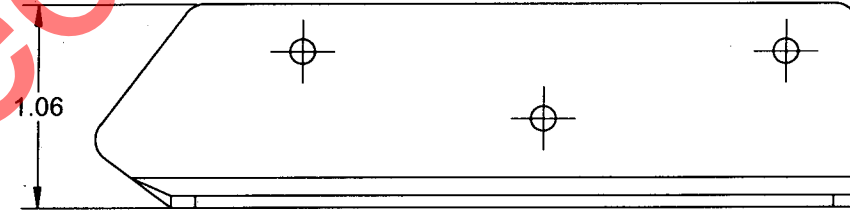
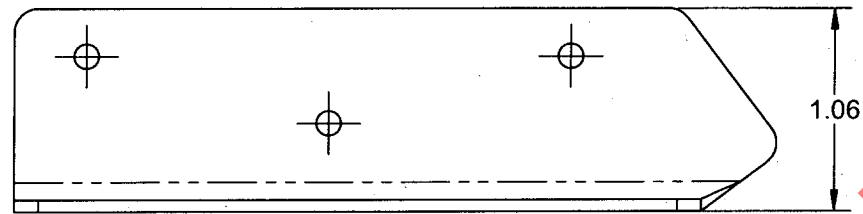
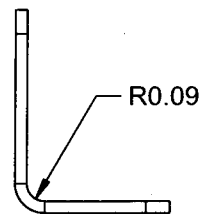
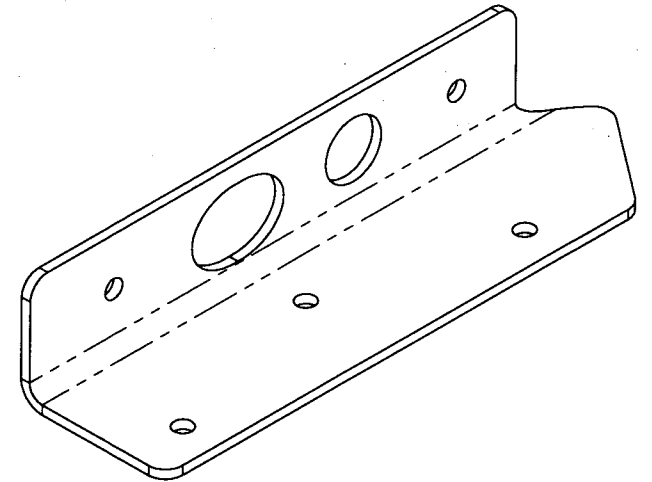
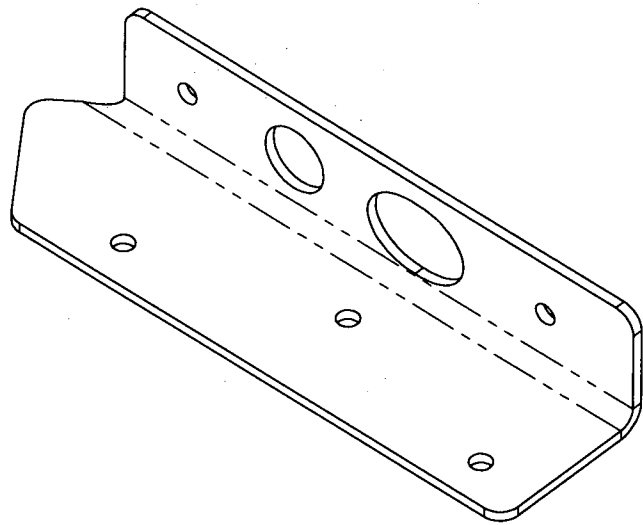


D4576-1 AFT PLATE

RELEASED  
2012-09-26

- NOTES:
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, PER AMS 5513 OR AMS 5524, OR MIL-S-5059 (ANNEALED) 2B FINISH  
16 GAUGE (0.063 THICK)  
REF. DART SPEC M304S16GA
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
  - 7) WEIGHT: 0.09 lbs

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		<b>D4576</b>	SHEET 9 OF 11
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	<b>HORIZONTAL LINKAGE ASSY</b>	NTS
DATE	<b>12.04.17</b>	COPYRIGHT © 2012 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



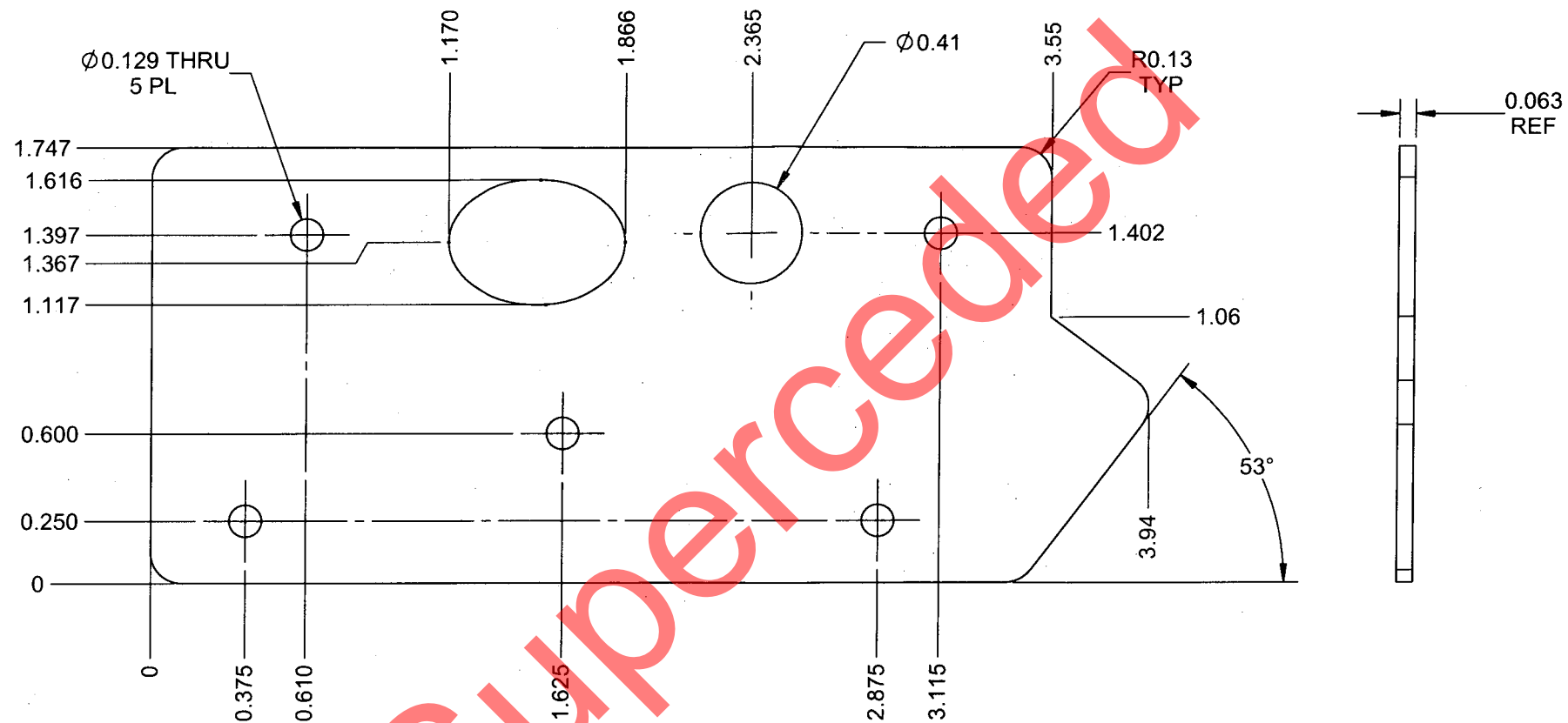
**D4576-2 FORWARD PLATE (RH)**  
(MADE FROM D4576-9F)

**D4576-9 FORWARD PLATE (LH)**  
(MADE FROM D4576-9F)

RELEASED  
2012-09-26  
*nm*

- NOTES:  
1) MATERIAL: N/A  
2) FINISH: N/A  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7  
7) WEIGHT: 0.11 lbs

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		<b>D4576</b>	SHEET 10 OF 11
APPROVED	<i>nm</i>	TITLE	SCALE
DE APPR.	<i>nm</i>	<b>HORIZONTAL LINKAGE ASSY</b>	NTS
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**D4576-9F FORWARD PLATE (FLAT PATTERN)**

RELEASED  
2012-09-26

**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, PER AMS 5513 OR AMS 5524  
OR MIL-S-5059 (ANNEALED) 2B FINISH 16 GAUGE (0.063 THICK)  
REF: DART SPEC M304S16GA
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: 0.11 lbs

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		<b>D4576</b>	SHEET 11 OF 11
APPROVED		TITLE	SCALE
DE APPR.		<b>HORIZONTAL LINKAGE ASSY</b>	NTS
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